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(54) Title: A METHOD AND A SYSTEM FOR DETECTING COMMUNICATION RELAYING NETWORK ELEMENTS

(57) Abstract

The present invention refers to a method (40) for detecting network elements relaying communications between a base station and a mobile station in cellular communication network, where the communication relayed via at least one of the said elements is detected (43) by the increase of time delay compared to the time delay of mobile stations communicating directly with the base station. The present invention refers also to a system for detecting network elements relaying communications between a base station and a mobile station in cellular communication network, which system has means for detecting communication relayed via at least one of said elements by the increase of time delay compared to the time delays of mobile stations communicating directly with the base station. The present invention refers also to a network element for cellular communication network, which element comprises a system for identifying communication relaying elements on the grounds of the communication time delays.

